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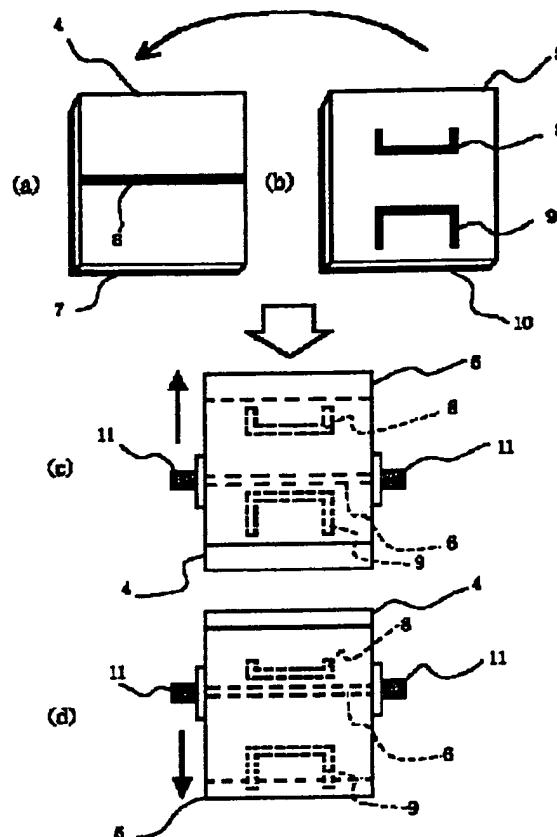
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TITLE : HIGH FREQUENCY FILTER



ABSTRACT : PURPOSE: To provide the high frequency filter which can set selectively stopping characteristics (passing blocking frequency, attenuation quantity, frequency width) by a simple operation.

CONSTITUTION: A signal propagation line 6 consisting of a superconductive material and half-wavelength resonators 8, 9 are provided separately on a first dielectric substrate and a second dielectric substrate 5, respectively, and also, an actuator for superposing these substrates 4, 5 so as to be opposed to each other, and moreover, controlling a relative position relation to the opposed substrates so that the signal propagation line 6 and the half-wavelength resonators 8, 9 are separated from each other and come into contact with each other is provided. When a driving means is controlled by an external signal, a state of side coupling, that is, a clearance between the propagation line 6 and the resonators 8, 9 is varied, therefore, in accordance with the clearance quantity, a passing blocking characteristic can be selected arbitrarily.

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